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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/585,040	07/18/2006	Isabelle Meynial-Salles	187894/US	8536
25763 DORSEY & W	7590 06/26/200 HITNEY LLP	EXAMINER EXAMINER		
	AL PROPERTY DEPA	PAK, YONG D		
	SUITE 1500 50 SOUTH SIXTH STREET		ART UNIT	PAPER NUMBER
MINNEAPOLI	S, MN 55402-1498		1652	
			MAIL DATE	DELIVERY MODE
			06/26/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)				
Office Action Summary		10/585,040	MEYNIAL-SALLES ET AL.				
		Examiner	Art Unit				
		Yong D. Pak	1652				
Period fo	- The MAILING DATE of this communication app r Reply	pears on the cover sheet with the c	correspondence address				
WHIC - Exten after 9 - If NO - Failur Any re	DRTENED STATUTORY PERIOD FOR REPLINED FOR IS LONGER, FROM THE MAILING DISIONS of time may be available under the provisions of 37 CFR 1.1 (SIX (6) MONTHS from the mailing date of this communication. Period for reply is specified above, the maximum statutory period to to reply within the set or extended period for reply will, by statute the ply received by the Office later than three months after the mailined patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	N. mely filed the mailing date of this communication. ED (35 U.S.C. § 133).				
Status							
1) 又	Responsive to communication(s) filed on <u>6/29</u> .	/2006					
·		s action is non-final.					
′=	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
•	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Dispositi	on of Claims						
4)⊠	• 4)⊠ Claim(s) <u>1-14 and 16-49</u> is/are pending in the application.						
•	4a) Of the above claim(s) is/are withdrawn from consideration.						
	5) Claim(s) is/are allowed.						
•	6) Claim(s) is/are dilowed.						
	Claim(s) is/are objected to.						
·	Claim(s) <u>1-14 and 16-49</u> are subject to restrict	ion and/or election requirement.					
·	on Papers						
	The specification is objected to by the Examine	ar					
	Fine drawing(s) filed on is/are: a) ☐ acc		Evaminer				
-	Applicant may not request that any objection to the						
		- · · ·	, ,				
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority u	nder 35 U.S.C. § 119						
_	 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 						
	2. Certified copies of the priority documents have been received in Application No						
	3. Copies of the certified copies of the priority documents have been received in this National Stage						
	application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.							
Attachment	(s)						
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)							
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date Notice of Information Disclosure Statement(s) (PTO/SB/08) Notice of Information Patent Application							
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application 6) Other:							

DETAILED ACTION

This application is a 371 of PCT?FR05/00070.

Claims 1-14 and 16-49 are pending.

Election/Restrictions

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1-14,16-17 and 22-49 drawn to a method of preparing a microorganism comprising a deletion of the tpiA gene and a deletion of at least one gene involved in the conversion of methylglyoxal into lactate.

Group II, claim(s) 18-21, drawn to a method of preparing 1,2-propanediol using the microorganism of Group I.

The inventions listed as Groups I-II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

The technical feature linking Groups I-II appears to be that they all relate to a microorganism comprising a deletion of the tpiA gene and a deletion of at least one gene involved in the conversion of methylglyoxal into lactate.

However, Cameron et al. (US Patent NO. 6,303,352 B1 – form PTO-892) discloses a microorganism comprising a deletion of the tpiA gene for the production of 1,2-propanediol and deletion of gene involved in the conversion of methylglyoxal into lactate (glyoxalase) (Column 6, lines 16-42 and Figure 1).

Therefore, the technical feature linking the inventions of Groups I-II does not constitute a special technical feature as defined by PCT Rule 13.2, as it does not define a contribution over the prior art.

The special technical feature of Group I is a method of preparing a microorganism comprising a deletion of the tpiA gene and a deletion of at least one gene involved in the conversion of methylglyoxal into lactate.

The special technical feature of Group II is a method of preparing 1,2-propanediol using the microorganism a deletion of the tpiA gene and a deletion of at least one gene involved in the conversion of methylglyoxal into lactate.

Accordingly, Groups I-II are not so linked by the same or a corresponding special technical feature as to form a single general inventive concept.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Application/Control Number: 10/585,040

Art Unit: 1652

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yong Pak whose telephone number is 571-272-0935. The examiner can normally be reached 6:30 A.M. to 5:00 P.M. Monday through Thursday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nashaat Nashed can be reached on 571-272-0934. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 571-272-1600.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll free).

/Yong D Pak/ Primary Examiner, Art Unit 1652